

PROJECT	DESIGNATION
0501212	-
CONTRACT	BRIDGE FILE
R-28940	I65-054-04652 DNBL & DSBL

INDEX				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
I65-054-04652 DNBL I65-054-04652 DSBL	BRIDGE REHABILITATION TWIN CONTINUOUS PRESTRESSED CONCRETE I-BEAM BRIDGES	7 SPANS: 46'-5 1/2", 5 @ 43'-5 5/8", 46'-5 1/2" SKEW: 30°00'00" LEFT	EAST FORK WHITE RIVER, OVERFLOW 1	STA. 2463+91.52 "A"

KIN DESIGNATION NUMBERS		
PART	DESIGNATION	DESCRIPTION
1	0501212	I-65 ROAD PLANS
2	0501212	I-65 CROSS SECTIONS
3	0501212	I-65 TRAFFIC PLANS
4	1601732 & 1601733	I-65 OVER CSX RAILROAD
5	1592538 & 1592536	I-65 OVER MUTTON CREEK DITCH
6	1601840 & 1601970	I-65 OVER EAST FORK OF WHITE RIVER
7	1601841 & 1601920	I-65 OVER EAST FORK OF WHITE RIVER, OVERFLOW NO. 1
8	1592568 & 1592576	I-65 OVER EAST FORK OF WHITE RIVER, OVERFLOW NO. 2
9	1592575 & 1592589	I-65 OVER EAST FORK OF WHITE RIVER, OVERFLOW NO. 3
10	1592590 & 1592592	I-65 OVER I & I RAILROAD
11	1592595 & 1592594	I-65 OVER ABLE DITCH
12	1592600 & 1592599	I-65 OVER SMALLS CREEK
13	1700256	ENOS ROAD OVER I-65
13	1700257	CR 800 NORTH OVER I-65
13	1700258	REDDING ROAD OVER I-65
13	1700259	SR 11 OVER I-65
13	1700260	COUNTYLINE ROAD OVER I-65
13	1700261	CR 950 SOUTH OVER I-65
13	1700262	CR 625 SOUTH OVER I-65
14	1383528 & 1383529	I-65 OVER DENOIS CREEK

INDIANA DEPARTMENT OF TRANSPORTATION



TRAFFIC DATA	I-65
A.D.T. (2019)	31,320 V.P.D.
A.D.T. (2039)	34,310 V.P.D.
D.H.V. (2039)	2,740 V.P.H.
DIRECTIONAL DISTRIBUTION	50%
TRUCKS	38% A.A.D.T.
	29% D.H.V.
DESIGN DATA	
DESIGN SPEED	70 M.P.H.
PROJECT DESIGN CRITERIA	PARTIAL RECONSTRUCTION 4R (FREEWAY)
FUNCTIONAL CLASSIFICATION	INTERSTATE
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	FULL

BRIDGE REHABILITATION PLANS

FOR SPANS OVER 20 FEET

INTERSTATE 65

OVER

EAST FORK OF WHITE RIVER, OVERFLOW 1

PROJECT NO. 0501212

P.E.

PROJECT NO. 0501212

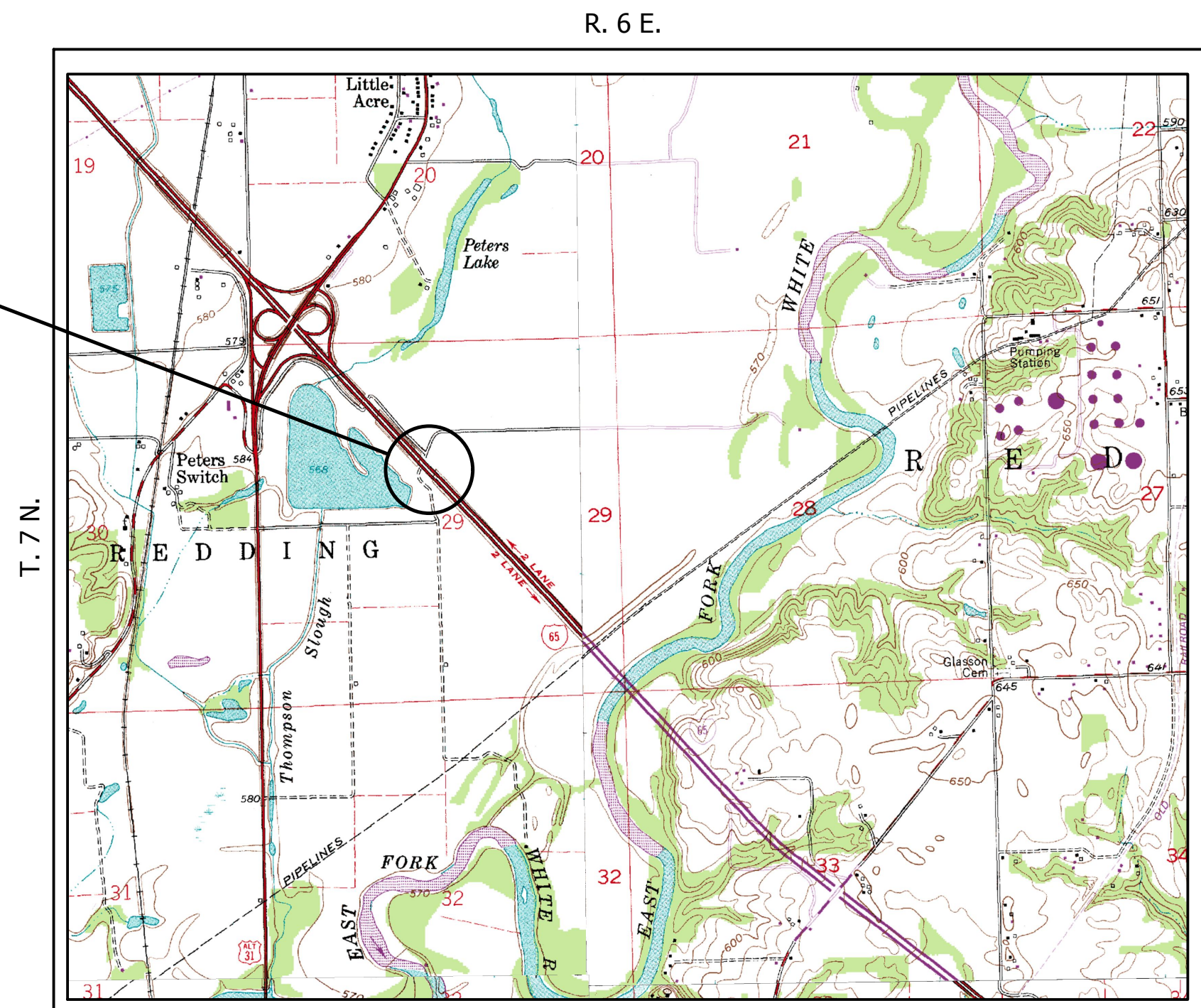
CONST.

RP 54+0.604

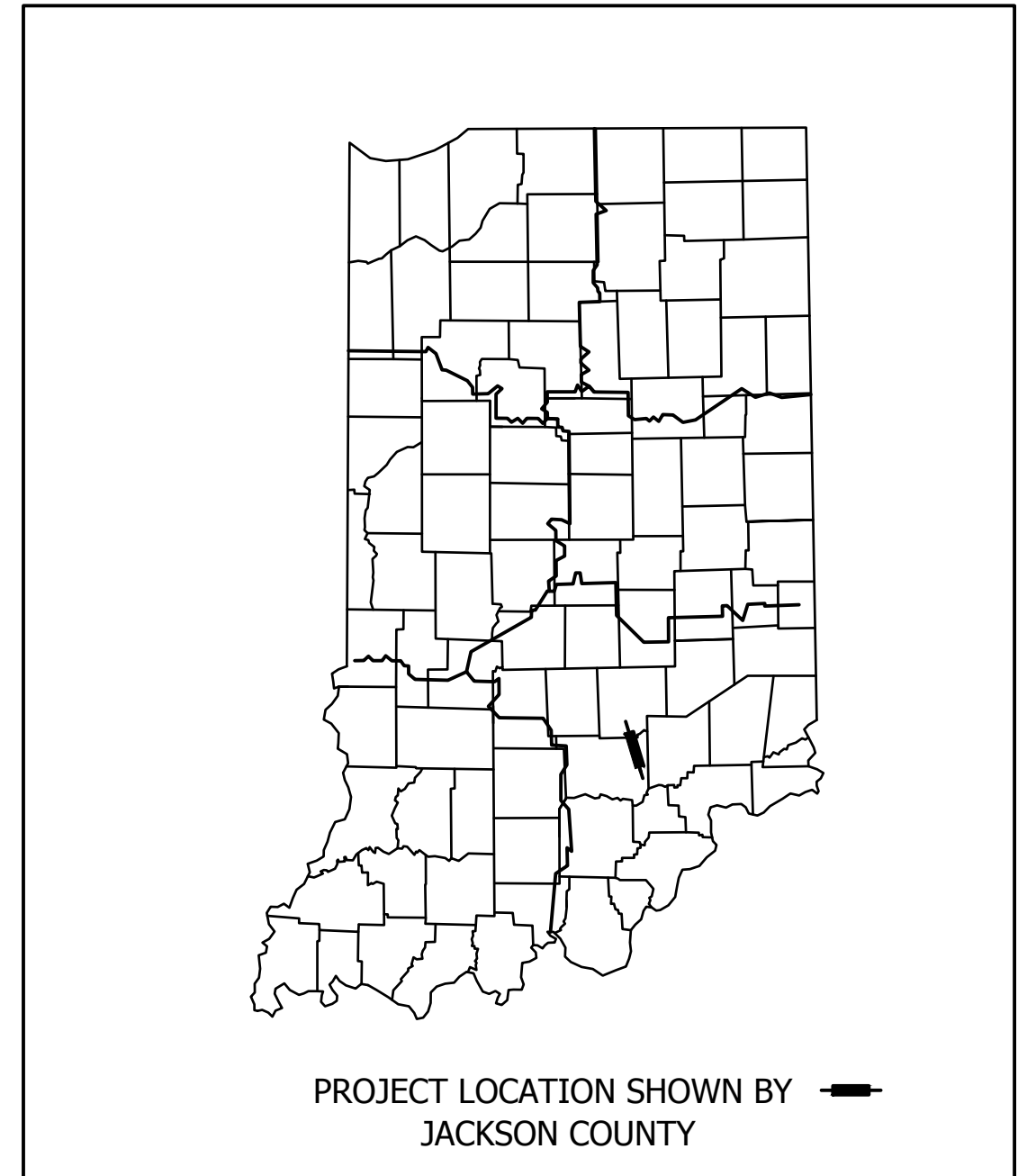
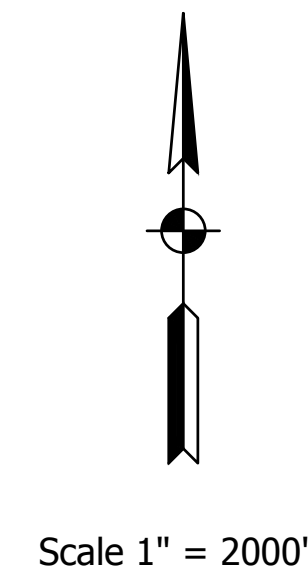
This Bridge Rehabilitation is on Interstate 65 over East Fork of White River, Overflow 1
Located in Section 29, of Township 7 North, Range 6 East, Redding Township,
in Jackson County Indiana.

R-28940
Part 7 of 14

PROJECT LOCATION
I65-054-04652 DNBL
I65-054-04652 DSBL



LOCATION MAP



LATITUDE: 39°01'16.00" N LONGITUDE: 85°52'58.26" W

BRIDGE LENGTH :	0.54 MI.
ROADWAY LENGTH :	13.71 MI.
TOTAL LENGTH :	14.25 MI.
MAX GRADE:	2.8%

[INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2016 TO BE
USED WITH THESE PLANS]



1625 N. Post Road
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Fax: 317-895-2596 Web: www.ucindy.com

PLANS PREPARED BY:	UNITED CONSULTING	(317) 895-2585
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:		DATE
	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE I65-054-04652 DNBL & DSBL DESIGNATION -	
SURVEY BOOK -	SHEETS 1 of 10
CONTRACT R-28940	PROJECT 0501212

	UTILITIES

GENERAL NOTES	

[illegible][illegible]

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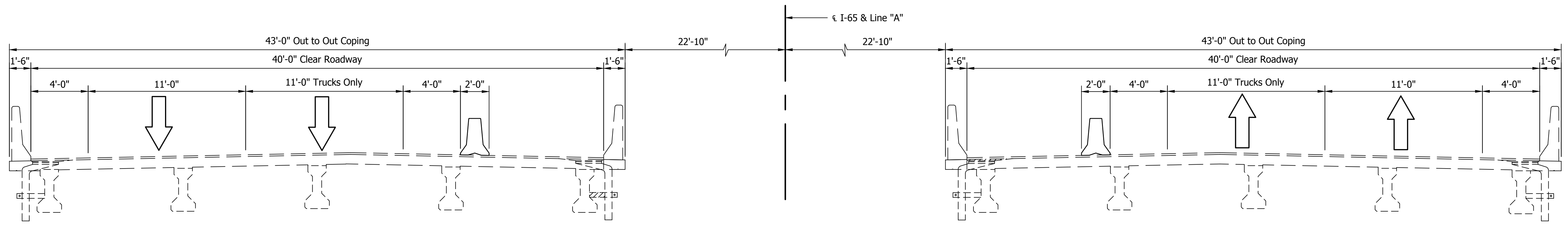
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
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DESIGNED: <u>MRL</u>	DRAWN: <u>DJZ</u>
CHECKED: <u>BSF</u>	CHECKED: <u>MRL</u>

INDIANA
DEPARTMENT OF TRANSPORTATION

INDEX
I-65 OVER EFWR, OVERFLOW 1

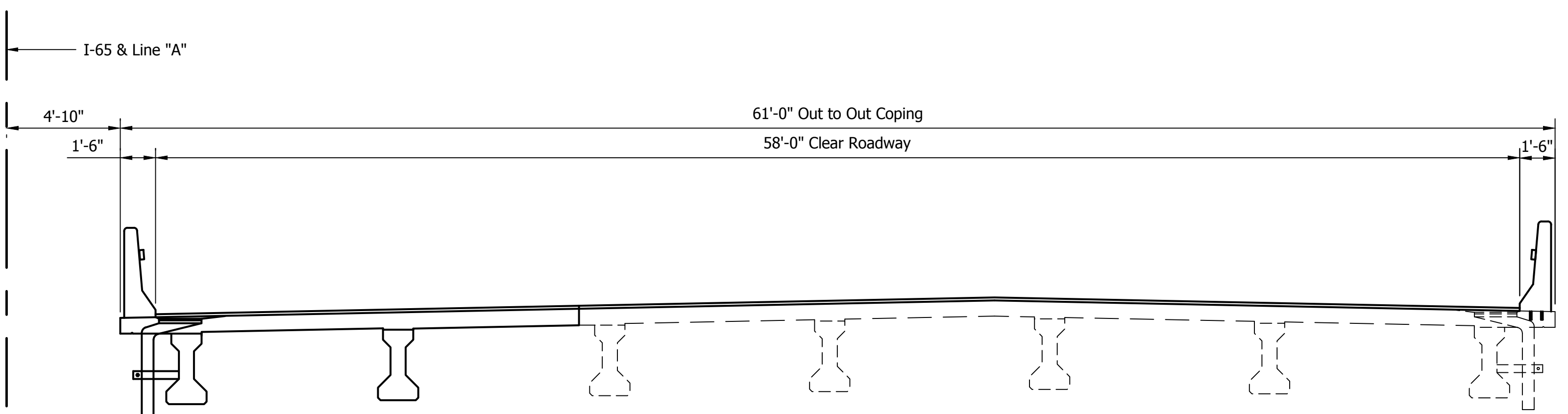
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	N/A	I65-054-04652 DNBL & DSBL		
	VERTICAL SCALE	DESIGNATION		
	N/A	-		
	SURVEY BOOK		SHEETS	
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	CONTRACT	PROJECT		
	R-28940	0501212		



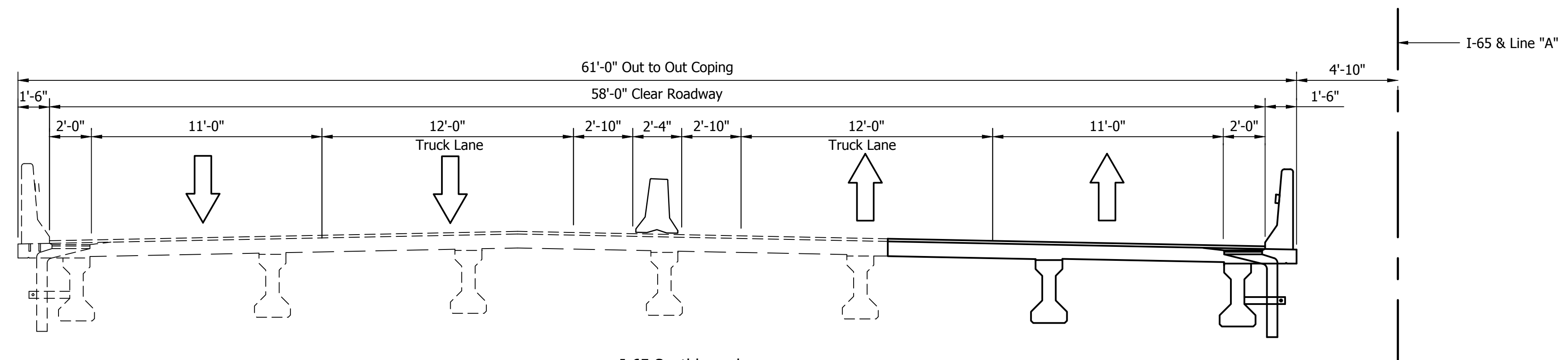
I-65 Southbound

PHASE 2

I-65 Northbound



I-65 Northbound



I-65 Southbound

PHASE 3

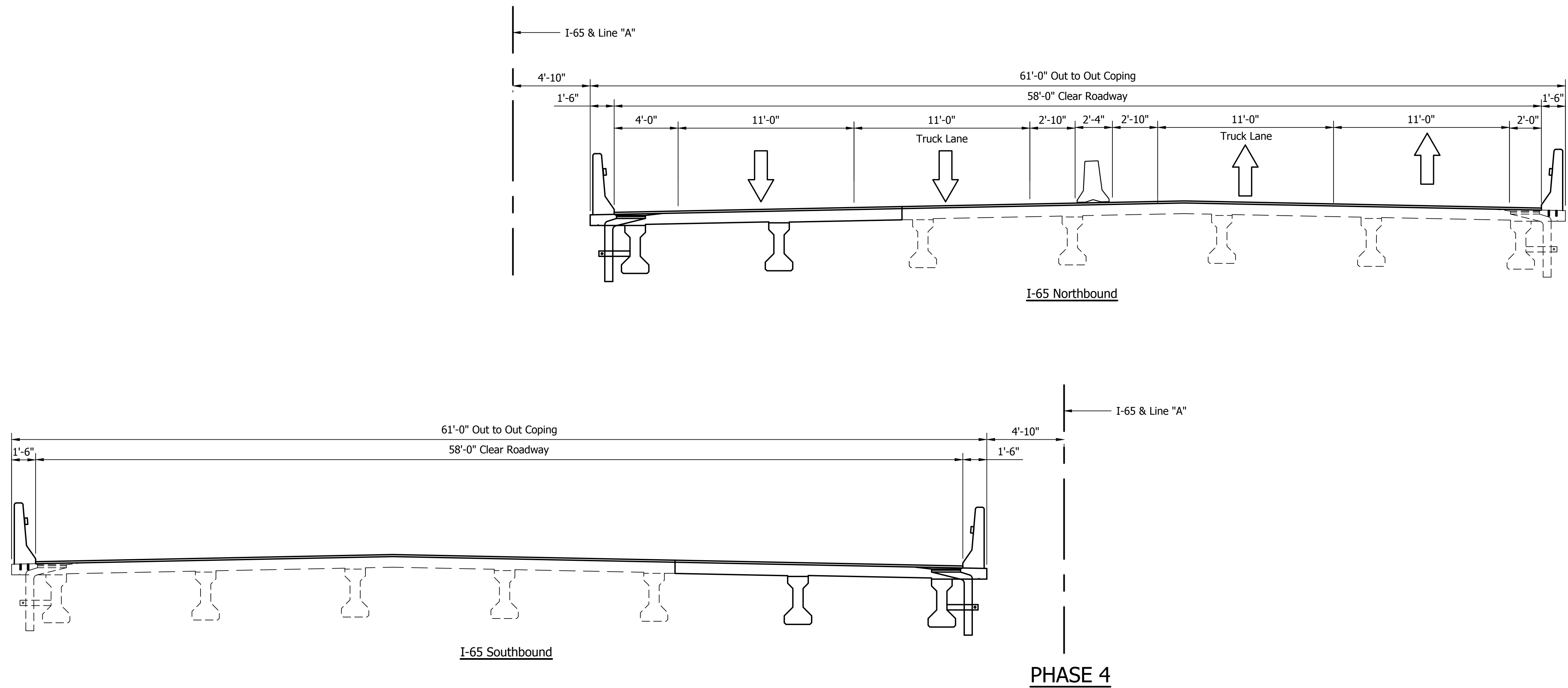


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CHECKED: <u>BSF</u>	CHECKED: <u>MRL</u>
DESIGN ENGINEER _____ DATE _____	

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC I-65 OVER EFWR, OVERFLOW 1	

HORIZONTAL SCALE 1/4" = 1'-0"	BRIDGE FILE I65-054-04652 DNBL & DSBL	
VERTICAL SCALE 1/4" = 1'-0"	DESIGNATION -	
SURVEY BOOK -	SHEETS 3 of 10	
CONTRACT R-28940	PROJECT 0501212	



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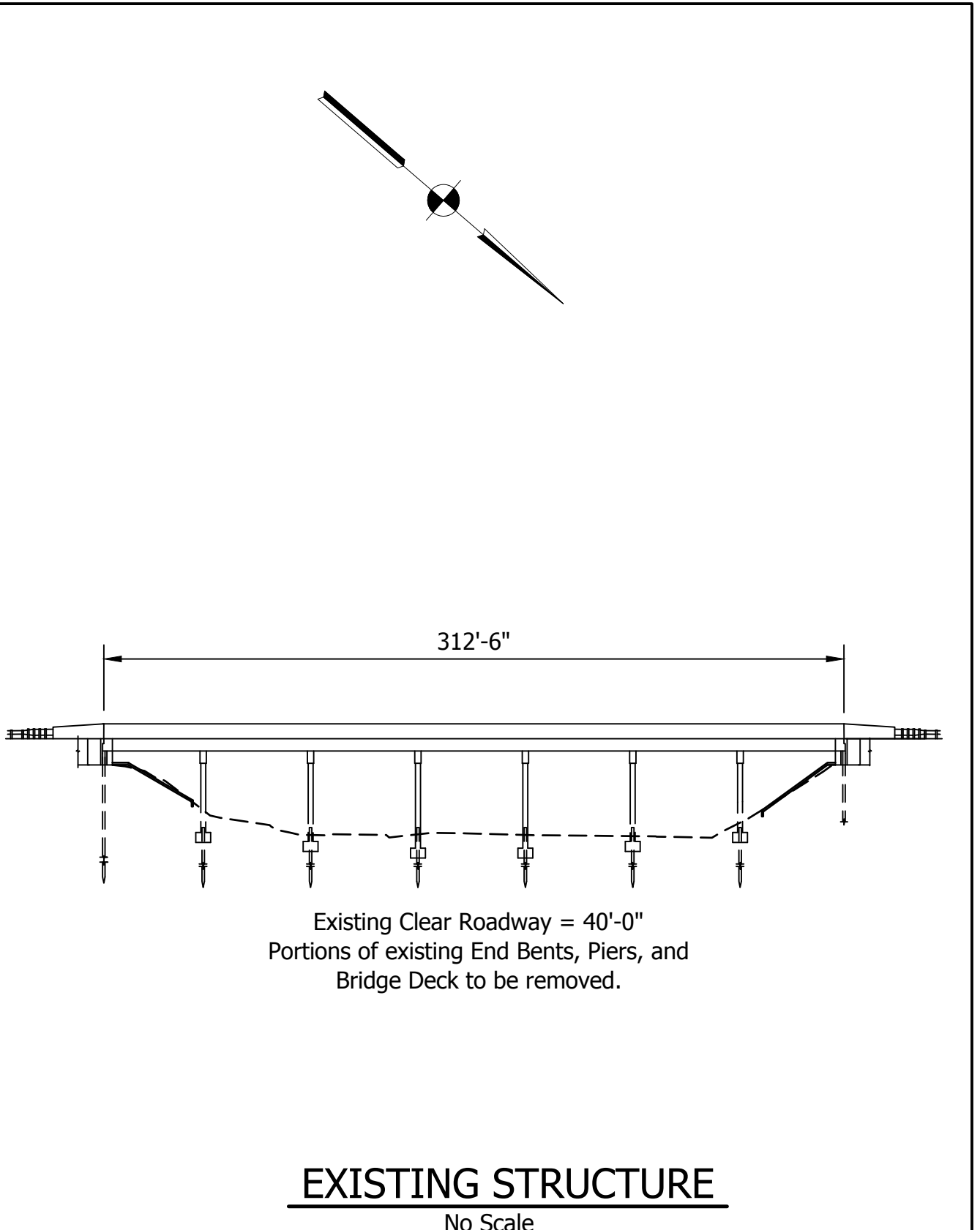
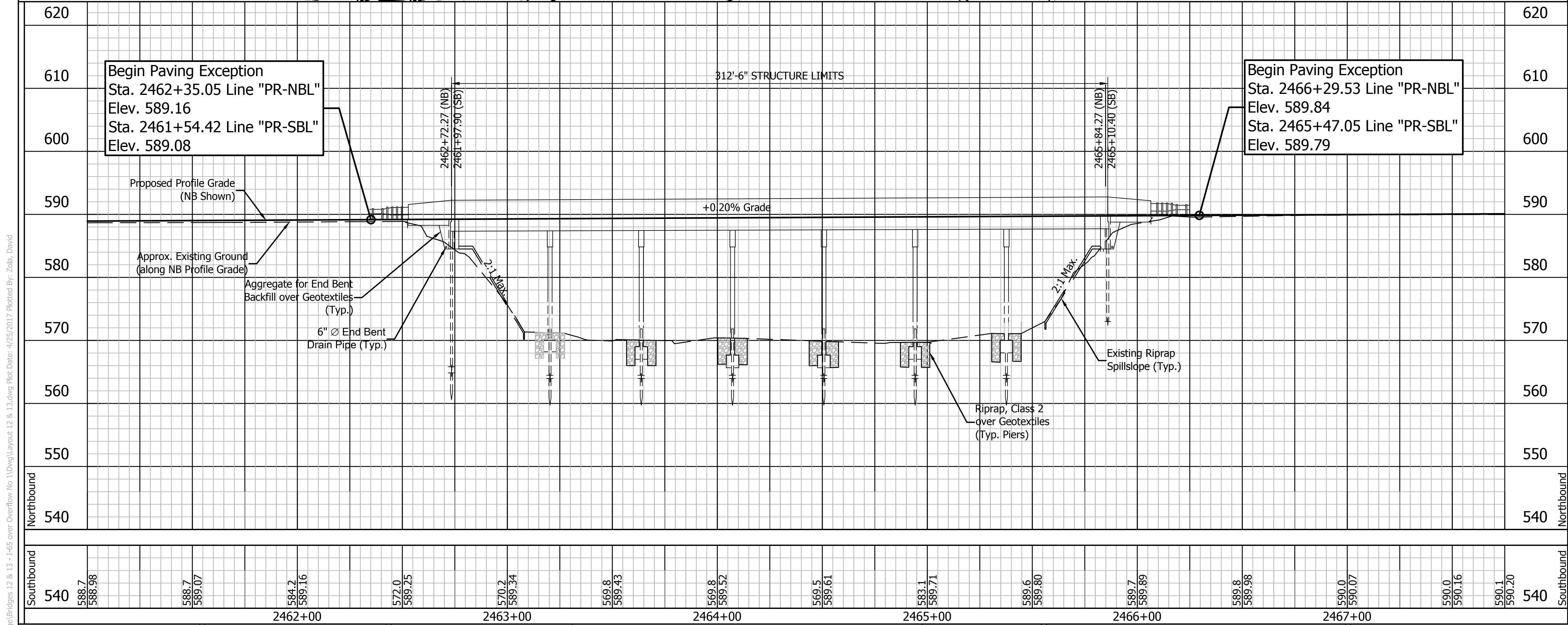
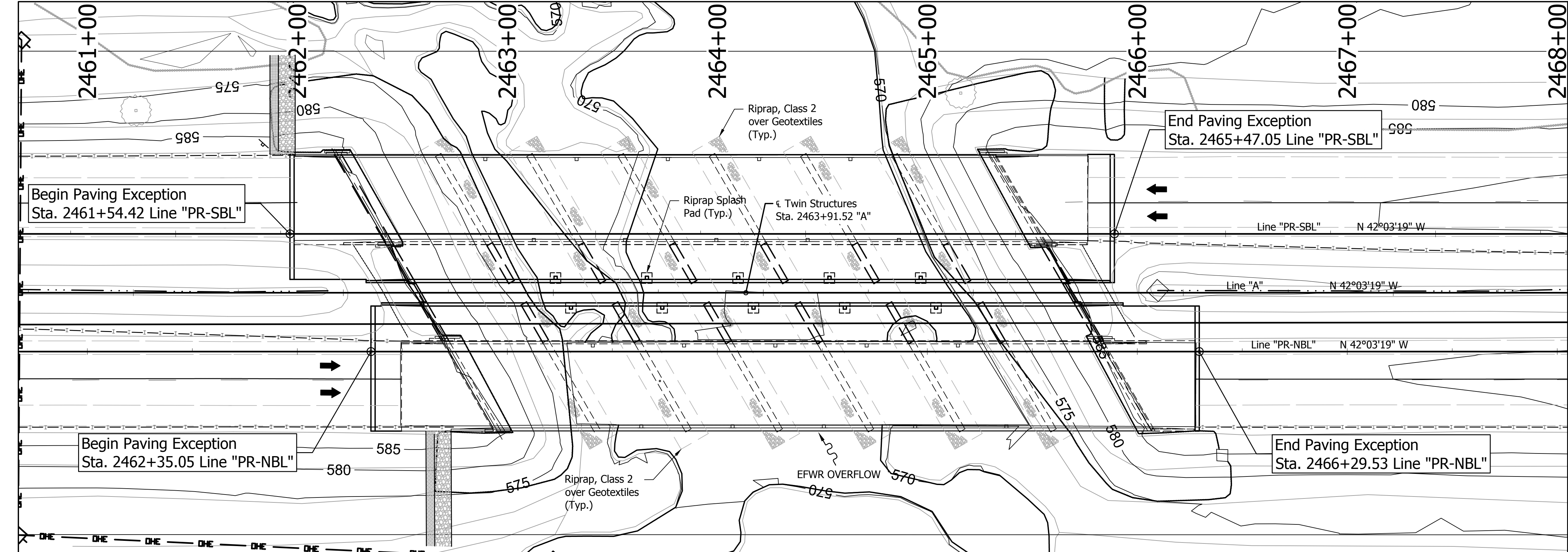
RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: MRL DRAWN: DJZ
CHECKED: BSF CHECKED: MRL

INDIANA
DEPARTMENT OF TRANSPORTATION


MAINTENANCE OF TRAFFIC
I-65 OVER EFWR, OVERFLOW 1

HORIZONTAL SCALE	BRIDGE FILE	
1/4" = 1'-0"	I65-054-04652 DNBL & DSBL	
VERTICAL SCALE	DESIGNATION	
1/4" = 1'-0"	-	
SURVEY BOOK	SHEETS	
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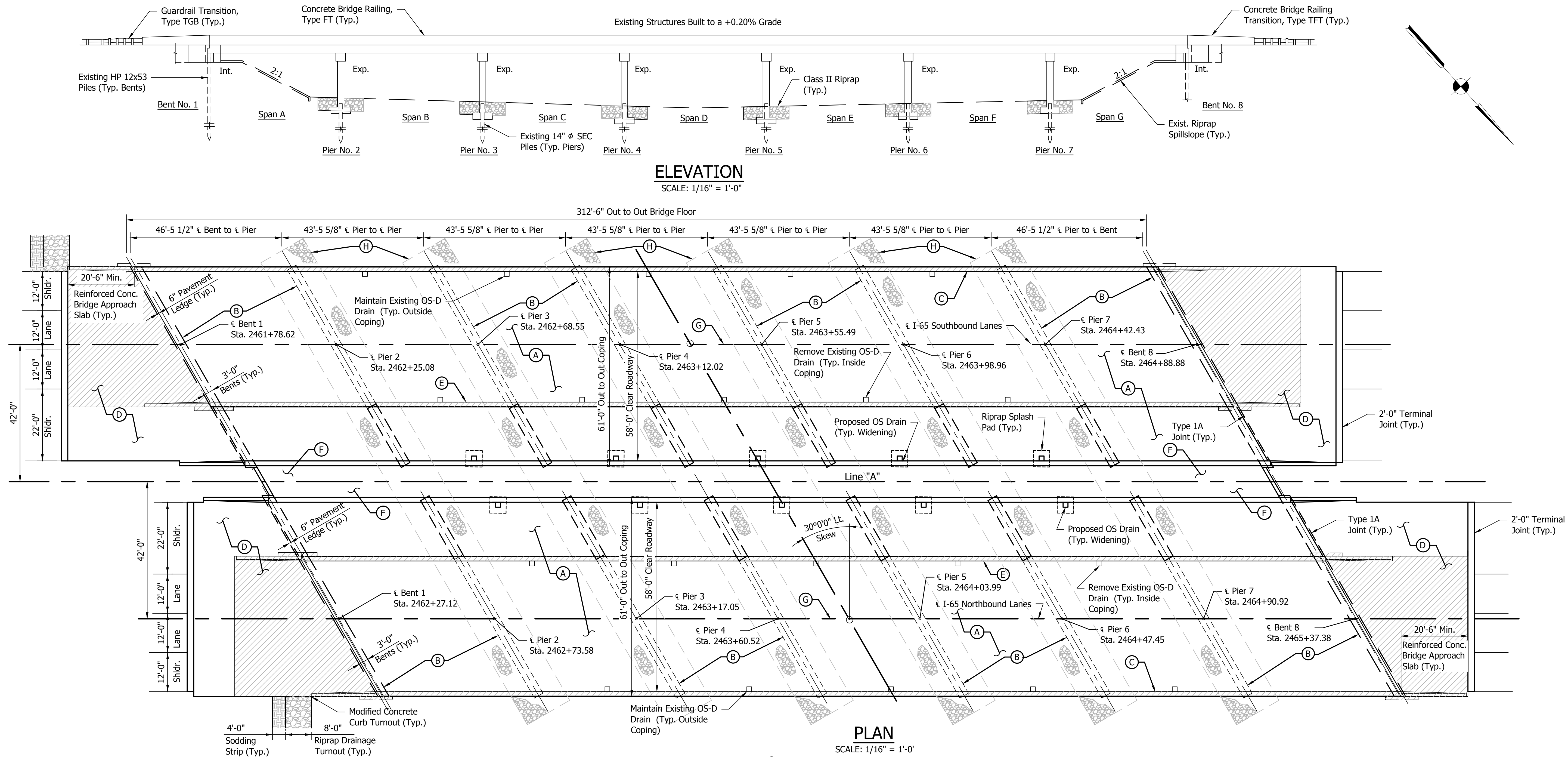


Notes: For R/W, Earthwork Summary, and Additional Information see Roadway Plans, Des. No. 0501212.

TWIN CONTINUOUS PRESTRESSED
CONCRETE I-BEAM BRIDGES
7 SPANS: 46'-5 1/2", 5 @ 43'-5 5/8",
46'-5 1/2"
SKEW: 30°00'00" LEFT
58'-0" CLEAR ROADWAY
I-65 OVER EAST FORK WHITE RIVER,
OVERFLOW 1

<div><div>1625 N. Post Road Indianapolis, IN 46219 Phone 317-895-2585 Fax 317-895-2596 www.ucindy.com</div></div>			RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 30'		BRIDGE FILE I65-054-04652 DNBL & DSBL	
			DESIGNED: MRL CHECKED: BSF		DRAWN: DJZ CHECKED: MRL		LAYOUT I-65 OVER EFWR, OVERFLOW 1		DESIGNATION -	
							SURVEY BOOK -		SHEETS 5 of 10	
							CONTRACT R-28940		PROJECT 0501212	

File Name: P:\CD\W616-465\Bridges\12 & 13 - I-65 over Overflow No. 1\Drawn\Layout 12 & 13.dwg Plot Date: 4/25/2017 Plotted By: Zola, David



GENERAL NOTES

- Existing plans for this structure are on file in the records unit of the Indiana Department of Transportation as Bridge File 165-054-04652 CNBL & CSBL.
- Where new work is to be fitted to old work, the Contractor shall check all dimensions and conditions in the field and report any discrepancies to the Engineer and assume responsibility for their correctness and fit of the new part to the old.
- Reinforcing steel covering shall be 2 1/2" in top and 1" min. in bottom of floor slabs, and 2" in all other parts, unless noted.
- Surface seal all exposed surfaces of approach slabs, face of deck coping and outer 6" of the underside of deck.
- Stations shown are from the existing plans on file. The stations will be updated for the proposed alignment for Final Deign.

DESIGN DATA

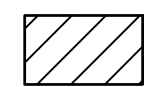
Designed for HS-20-44 loading in accordance with 2002 AASHTO Standard Specifications for Highway Bridges 17th Edition and all Subsequent Interim Specifications.

ULTIMATE DESIGN STRESSES

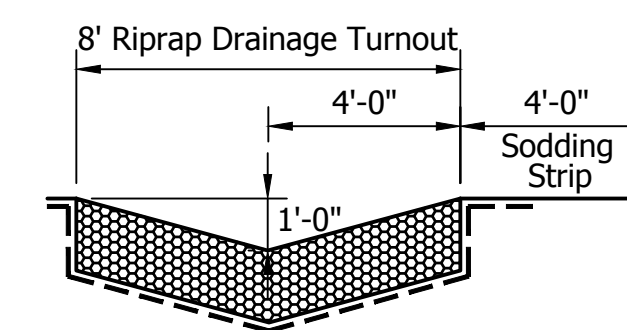
Class "A" Concrete	$f'_c = 3,500$ p.s.i.
Class "B" Concrete	$f'_c = 3,000$ p.s.i.
Class "C" Concrete	$f'_c = 4,000$ p.s.i.
Reinforcing Steel (Grade 60)	$f_y = 60,000$ p.s.i.

LEGEND

- (A) Remove the existing polymeric bridge deck overlay, widen the superstructure and substructure toward the median side, seal any cracks in the existing bridge deck, and install a polymeric bridge deck overlay over the entire bridge deck.
- (B) Patch spalled and delaminated areas on the existing substructure units.
- (C) Remove and replace the existing concrete bridge railing.
- (D) Remove and replace the existing reinforced concrete approach slabs.
- (E) Remove existing Bridge Railing and 1'-6" of coping.
- (F) Extend Riprap spillslope across median and widen 2' outside the bridge deck.
- (G) Place new Snowplowable Pavement Markings.
- (H) Excavate around Existing piers and place Class 2 Riprap to the depth of 4 ft. and a width of 6 ft. around all piers.



Limits of Removal



RIPRAP DRAINAGE TURNOUT

No Scale

**TWIN CONTINUOUS PRESTRESSED
CONCRETE I-BEAM BRIDGES**
7 SPANS: 46'-5 1/2", 5 @ 43'-5 5/8",
46'-5 1/2"
SKEW: 30°00'00" LEFT
58'-0" CLEAR ROADWAY
I-65 OVER EAST FORK WHITE RIVER,
OVERFLOW 1



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DESIGN ENGINEER DATE

DESIGNED: MRL

DRAWN: DJZ

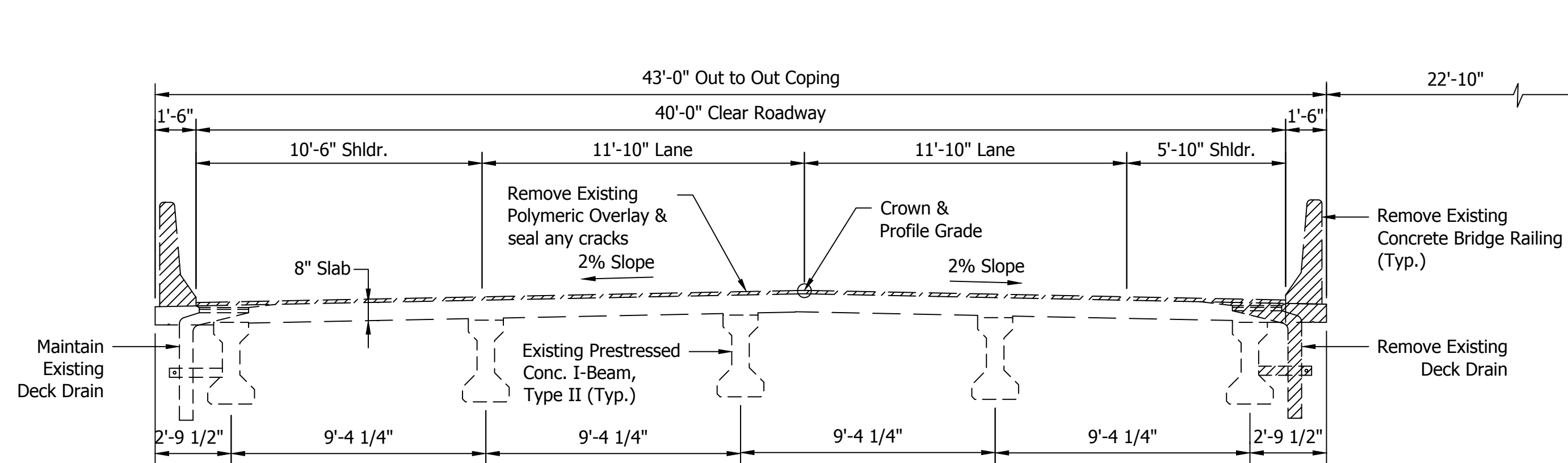
CHECKED: BSF

CHECKED: MRL

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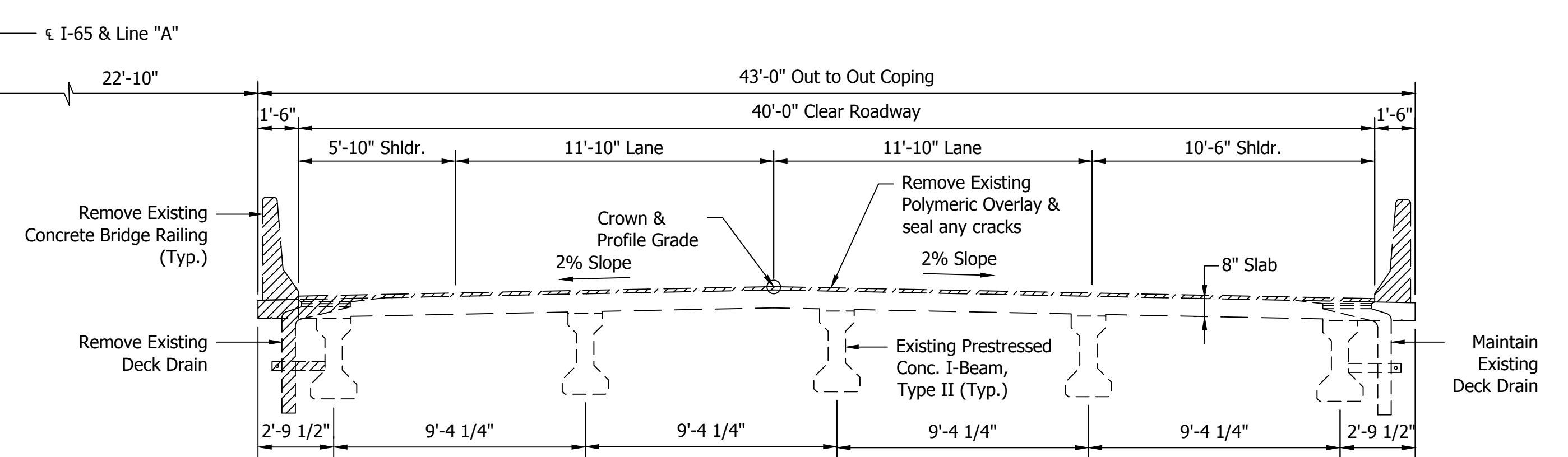
GENERAL PLAN
I-65 OVER EFWR, OVERFLOW 1

HORIZONTAL SCALE	BRIDGE FILE
AS SHOWN	I65-054-04652 DNBL & DSBL
VERTICAL SCALE	DESIGNATION
AS SHOWN	-
SURVEY BOOK	SHEETS
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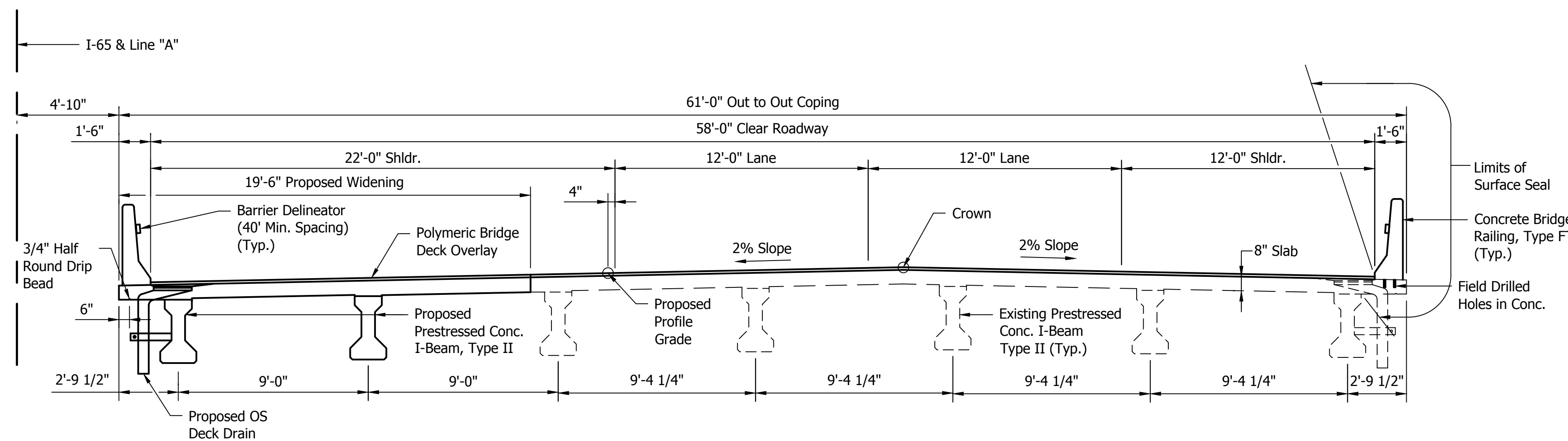
EXISTING TYPICAL SECTION SOUTHBOUND

SCALE: 1/4" = 1'-0"



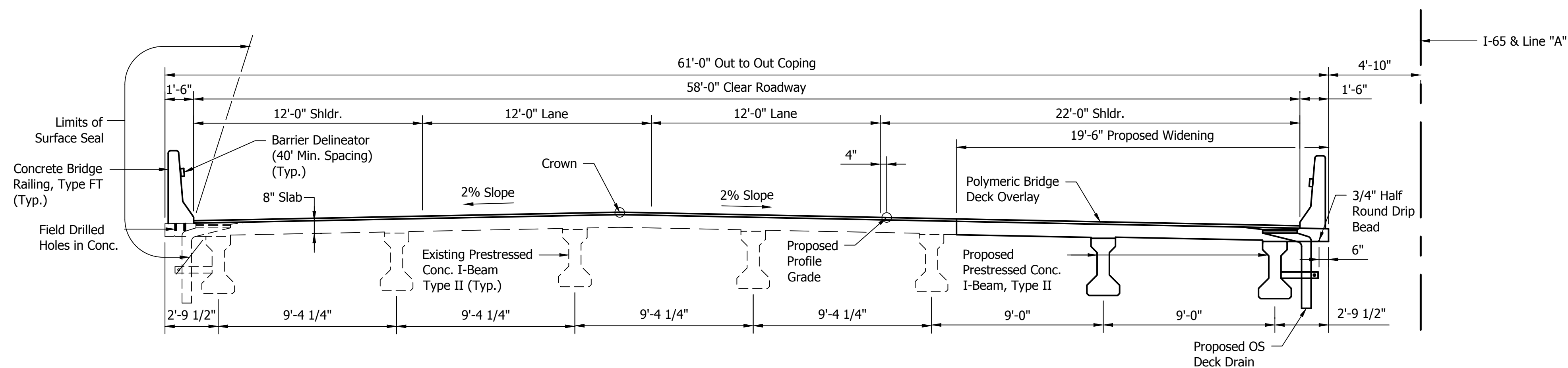
EXISTING TYPICAL SECTION NORTHBOUND

SCALE: 1/4" = 1'-0"




PROPOSED TYPICAL SECTION NORTHBOUND

SCALE: 1/4" = 1'-0"



PROPOSED TYPICAL SECTION SOUTHBOUND

SCALE: 1/4" = 1'-0"

 Limits of Removal

**TWIN CONTINUOUS PRESTRESSED
CONCRETE I-BEAM BRIDGES**
7 SPANS: 46'-5 1/2", 5 @ 43'-5 5/8",
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SKEW: 30°00'00" LEFT
58'-0" CLEAR ROADWAY
I-65 OVER EAST FORK WHITE RIVER,
OVERFLOW 1



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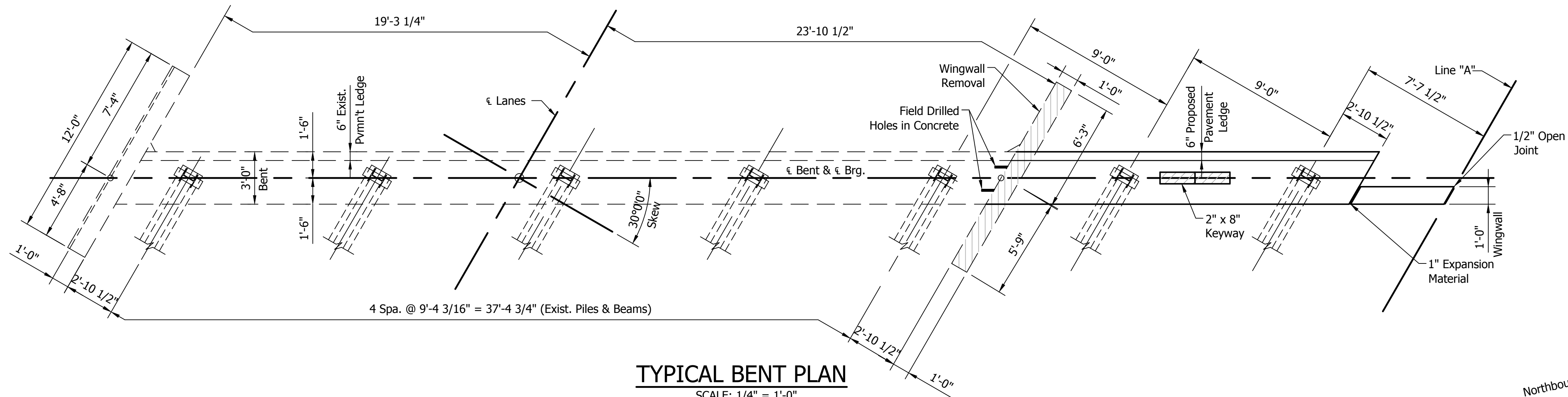
RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: MRL DRAWN: DJZ
CHECKED: BSF CHECKED: MRL

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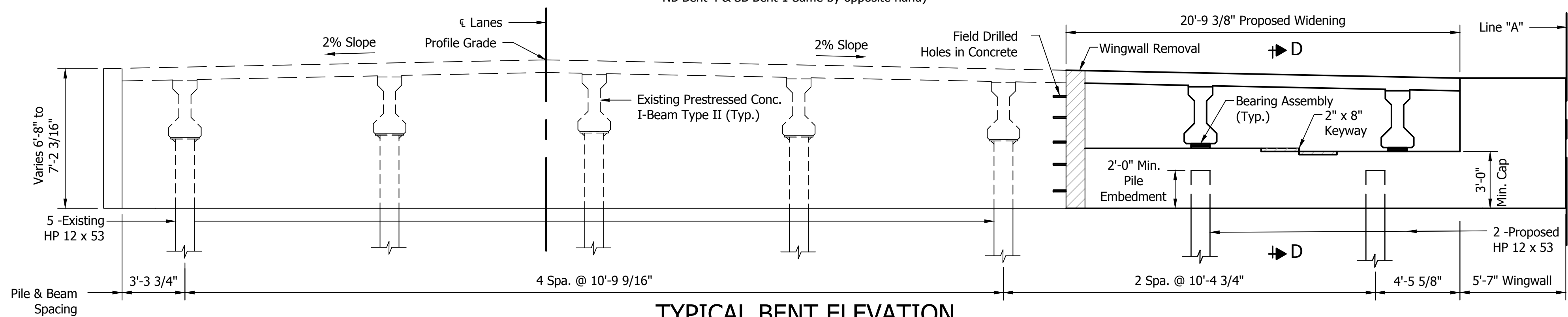
GENERAL PLAN
I-65 OVER EFWR, OVERFLOW 1

HORIZONTAL SCALE AS SHOWN	BRIDGE FILE I65-054-04652 DNBL & DSBL
VERTICAL SCALE AS SHOWN	DESIGNATION -
SURVEY BOOK -	SHEETS 7 of 10
CONTRACT R-28940	PROJECT 0501212



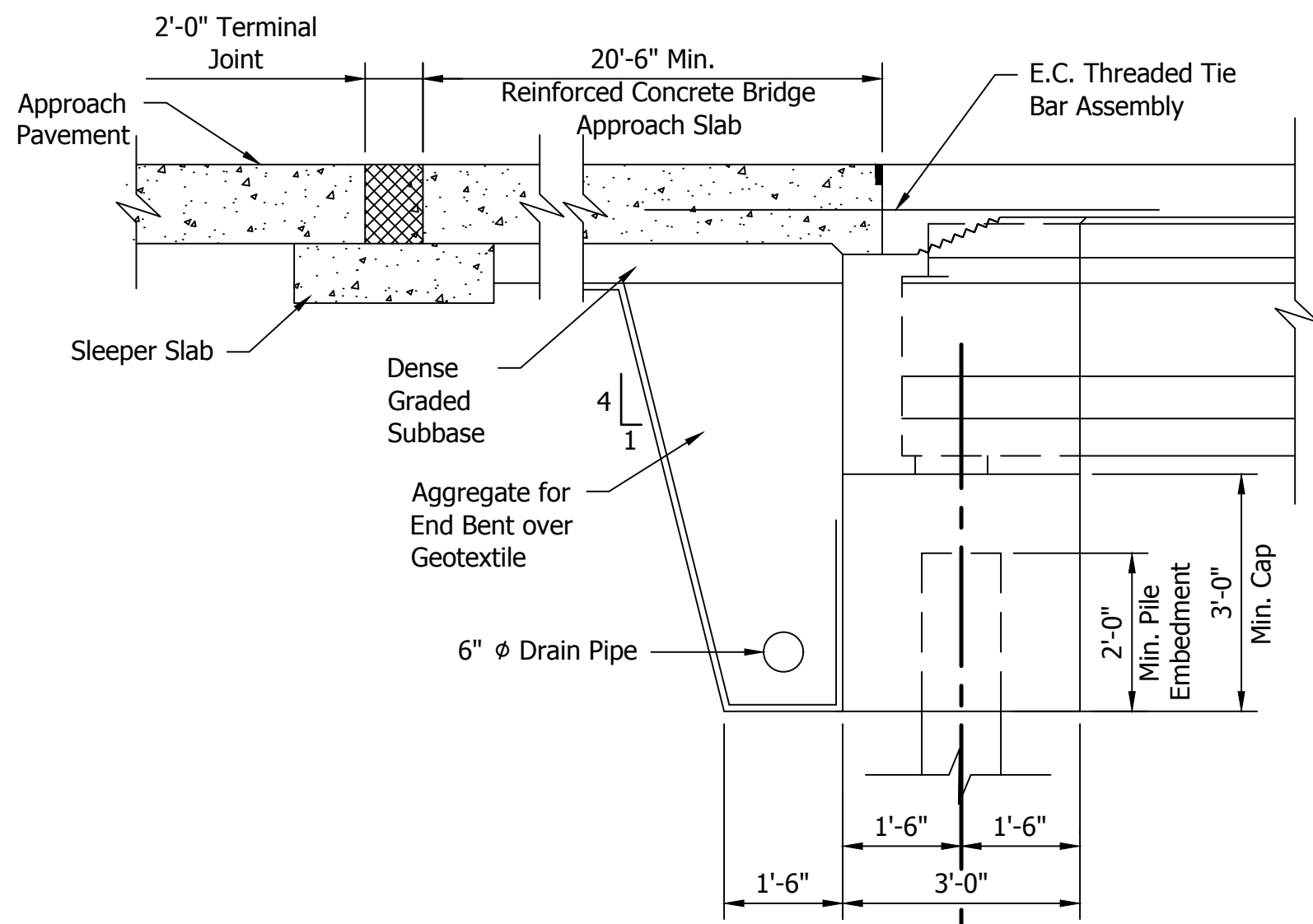
TYPICAL BENT PLAN

SCALE: 1/4" = 1'-0"
(NB Bent 1 & SB Bent 4 Shown,
NB Bent 4 & SB Bent 1 Same by opposite hand)



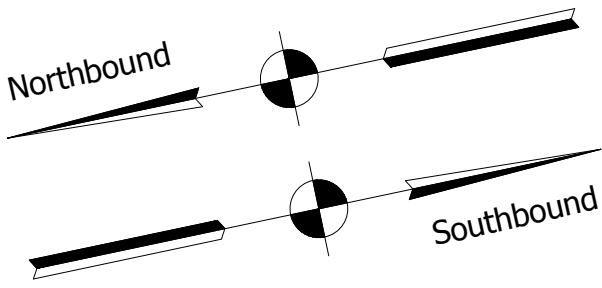
TYPICAL BENT ELEVATION

SCALE: 1/4" = 1'-0"
(NB Bent 1 & SB Bent 4 Shown,
NB Bent 4 & SB Bent 1 Same by opposite hand)



SECTION D-D

SCALE: 1/2" = 1'-0"



 Limits of Removal



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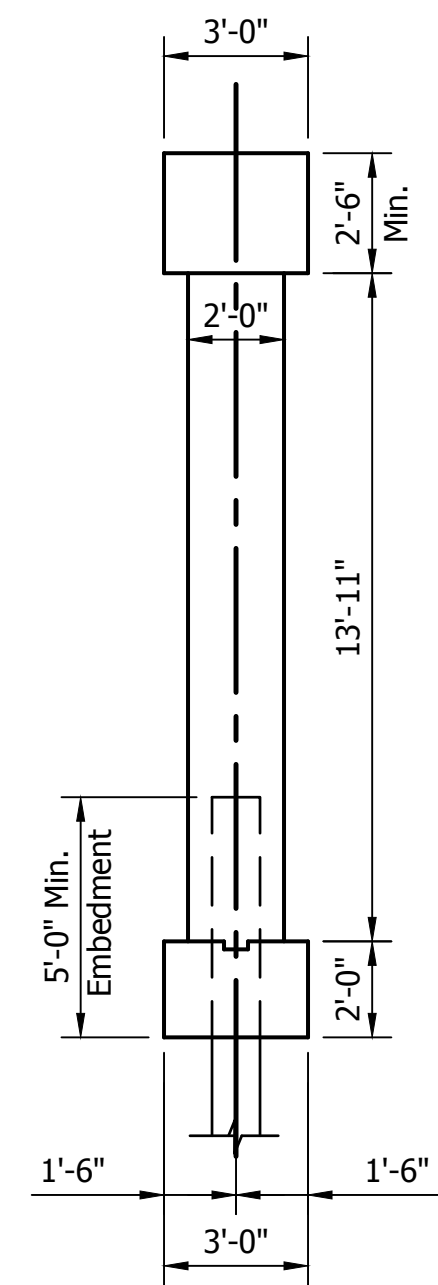
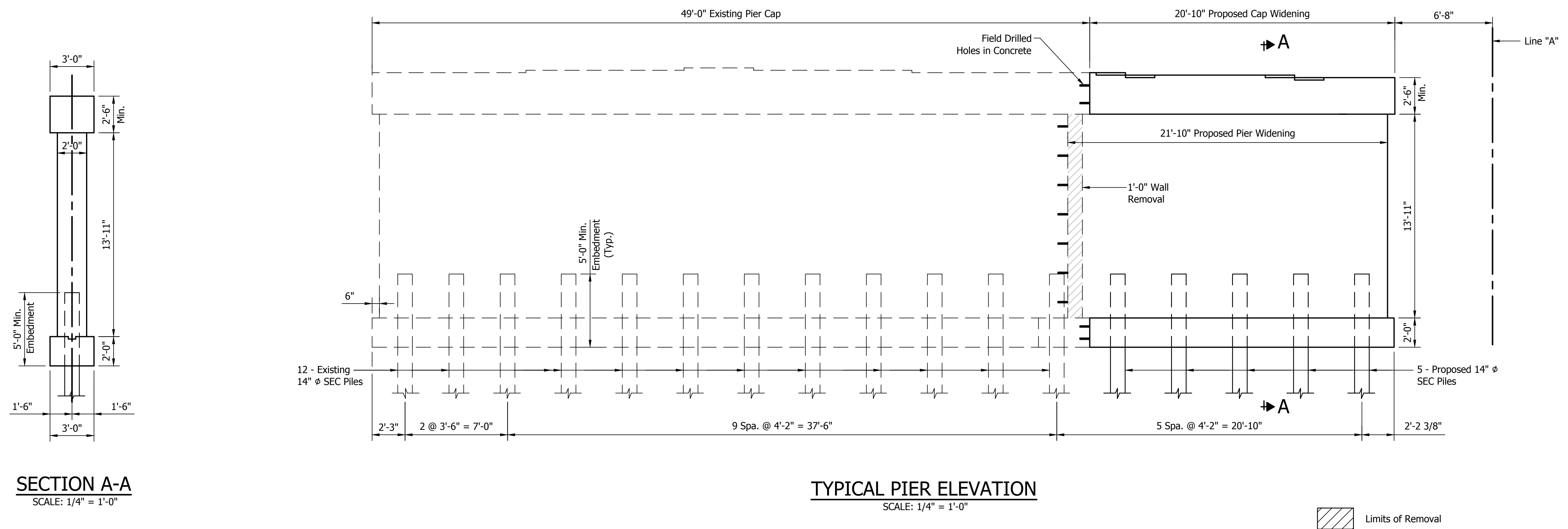
RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: MRL DRAWN: DJZ
CHECKED: BSF CHECKED: MRL

INDIANA
DEPARTMENT OF TRANSPORTATION


BENT DETAILS
I-65 OVER EFWR, OVERFLOW 1

HORIZONTAL SCALE		BRIDGE FILE	
AS SHOWN		I65-054-04652 DNBL & DSBL	
VERTICAL SCALE		DESIGNATION	
AS SHOWN		-	
SURVEY BOOK		SHEETS	
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CONTRACT		PROJECT	
R-28940		0501212	




SECTION A-A
SCALE: 1/4" = 1'-0"

TYPICAL PIER ELEVATION
SCALE: 1/4" = 1'-0"

 Limits of Removal

[illegible]

** ESTIMATED QUANTITY

 <p>1625 N. Post Road Indianapolis, IN 46219 Phone 317-895-2585 Fax 317-895-2596 www.ucindy.com</p>	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE BRIDGE FILE	
					N/A I65-054-04652 DNBL & DSBL	
					VERTICAL SCALE DESIGNATION	
					N/A -	
	DESIGNED: MRL DRAWN: DJZ		BRIDGE SUMMARY TABLE		SURVEY BOOK SHEETS	
	CHECKED: CJD CHECKED: MRL		I-65 OVER EFWR, OVERFLOW 1		- 10 of 10	
				CONTRACT PROJECT		
				R-28940 0501212		